

Title (en)

Method for applying a coating to an ophthalmic lens or a medical device

Title (de)

Verfahren zum Auftragen einer Beschichtung auf eine Kontaktlinse oder eine medizinische Vorrichtung

Title (fr)

Procédé d'application d'un coating sur une lentille de contact ou un dispositif médical

Publication

EP 1262307 A2 20021204 (EN)

Application

EP 02011939 A 20020529

Priority

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- US 31219901 P 20010814

Abstract (en)

The invention provides a method for applying a coating to an ophthalmic lens or a mold for making the ophthalmic lens or a medical device other than ophthalmic lens. The method comprises spraying at least one layer of a coating liquid onto an ophthalmic lens using a spraying process selected from the group consisting of an air-assisted atomization and dispensing process, an ultrasonic-assisted atomization and dispensing process, a piezoelectric assisted atomization and dispensing process, an electro-mechanical jet printing process, a piezo-electric jet printing process, a piezo-electric with hydrostatic pressure jet printing process, and a thermal jet printing process. The coating can comprise a property/functionality pattern or a color image or combination of both.

IPC 1-7

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CPC (source: EP US)

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Cited by

US8147728B2; US9698129B2; US9675443B2; US9703120B2; US10361405B2; RU2506163C2; CN101980858A; RU2508200C2; RU2505405C2; CN101983122A; AU2009231899B2; US10374216B2; US7931832B2; US10367233B2; US9581833B2; AU2005230635B2; EP2187243A1; CN103091730A; NO342330B1; WO2009123985A1; WO2013068736A1; WO2005081048A3; WO2009120772A1; US7101947B2; US7365142B2; US10265216B2; US10386656B2; US9192298B2; US10345620B2; US9550345B2; US10381687B2; US10598958B2; US10627651B2; US7278736B2; US9804418B2; US10451897B2; WO2005098478A1; US9375885B2; US9375886B2; US9615917B2; US10775644B2; US10361404B2; US10558062B2; US8920873B2; US9880324B2; US9889615B2; US9914273B2

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